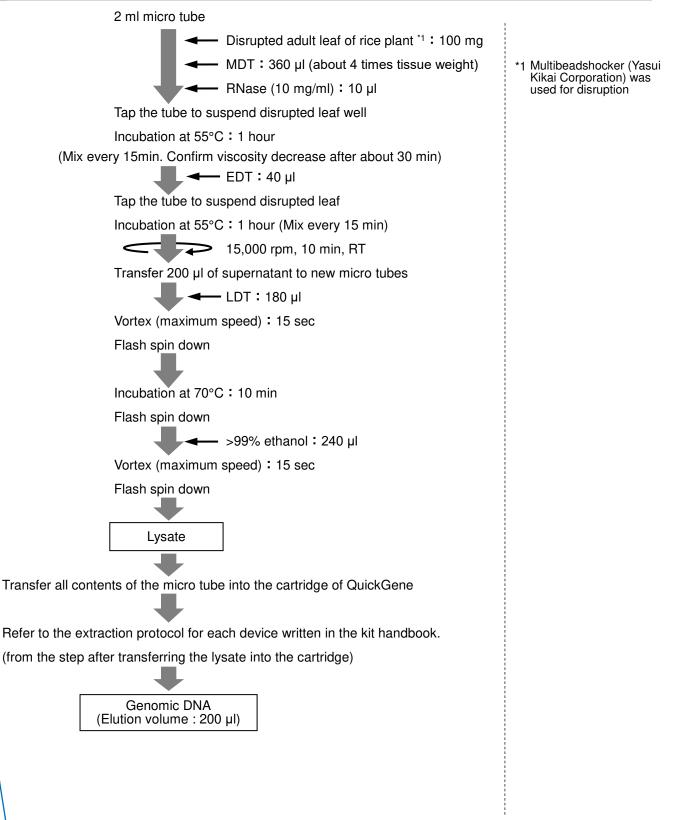
4. Genomic DNA Extraction from Tissue of Plant



KURABO

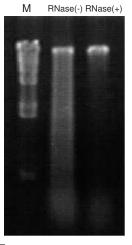
Genomic DNA Extraction from Adult Leaf of Rice Plant

Protocol





Electropherogram



The yield of genomic DNA

Sample	RNase (+)	RNase (-)		
Yield (µg)	10	36		

 $M: \lambda$ -*Hin* d III

Other

Restriction Enzyme Digestion



 $M : \lambda$ -*Hin* d III



(Contributed by Professor Yukimoto Iwasaki and Yukiko Fujisawa, Faculty of Biotechnology, Fuyuki Prefectural University)

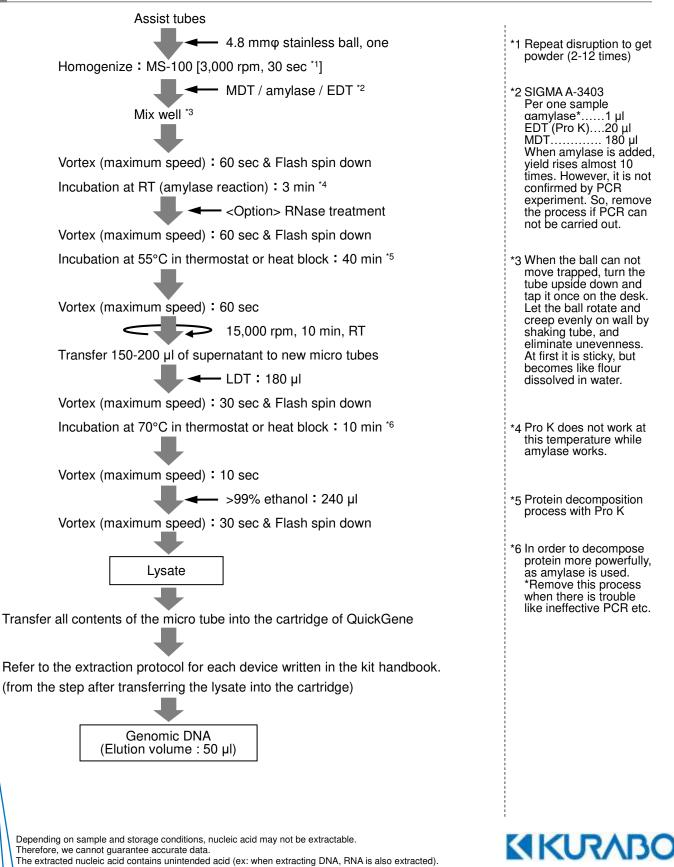
Common protocol is usable for the following

No Data





Genomic DNA Extraction from Amaranth Seed





No Data

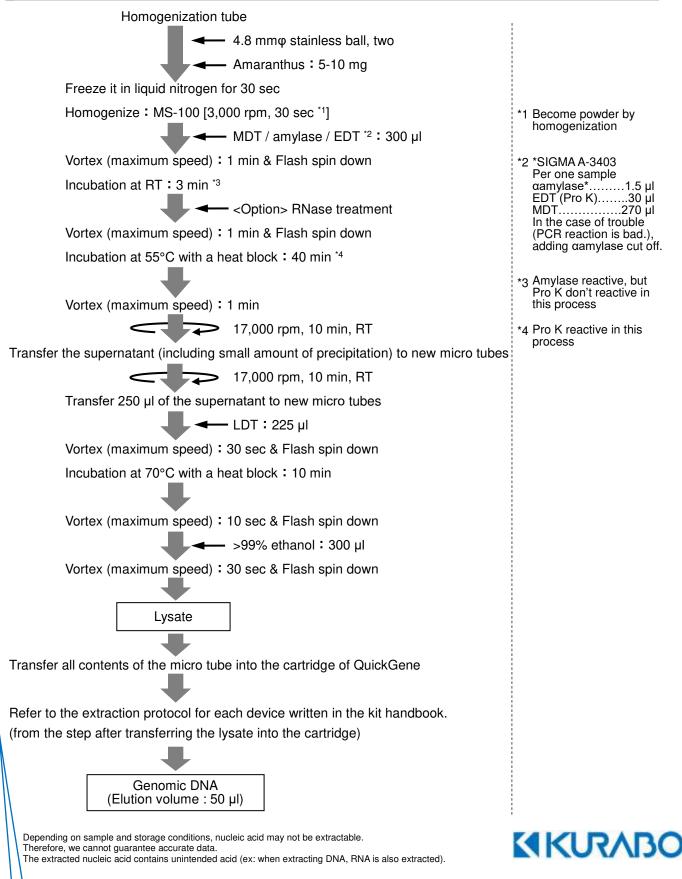
Common protocol is usable for the following

No Data



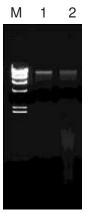


Genomic DNA Extraction from Amaranthus





Electropherogram



 $\begin{array}{l} 1 \ : \ 5 \ mg \ amaranthus \\ 2 \ : \ 10 \ mg \ amaranthus \\ M \ : \ \lambda \ {\it Hin} \ d \ III \ Marker \end{array}$

1% Agarose EtBr 100V 30 min RNase treatment

The yield of genomic DNA

Samples are below detection limit

Common protocol is usable for the following

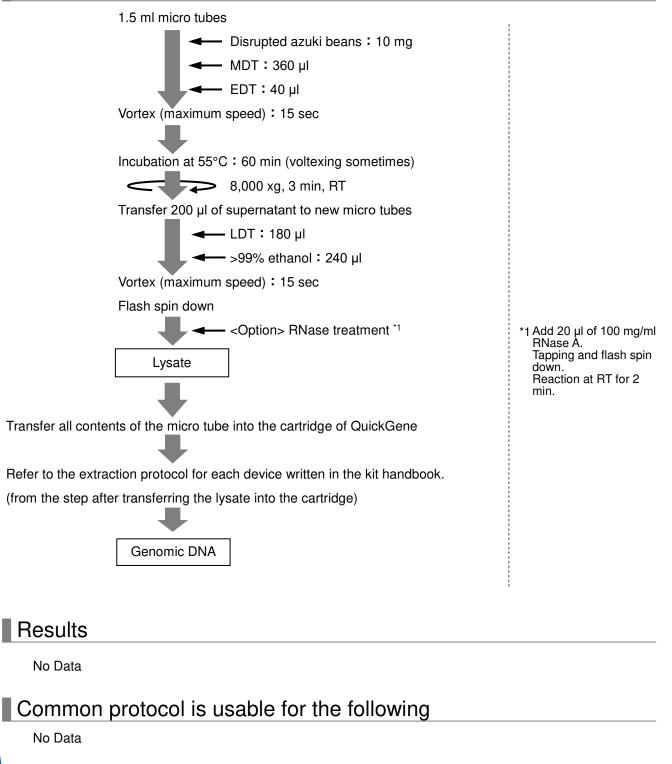
Lettuce





Genomic DNA Extraction from Azuki Beans

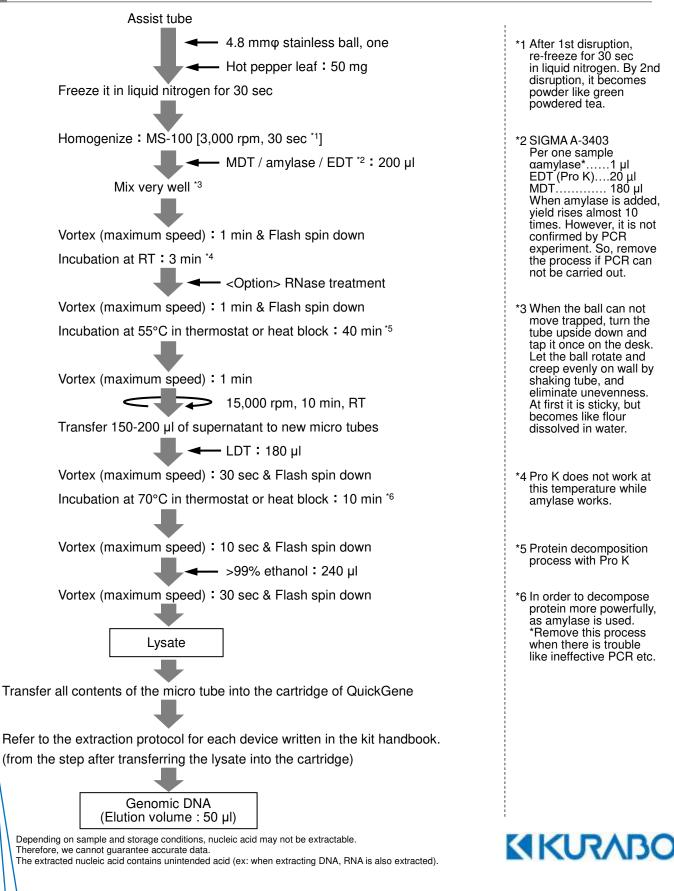
Protocol







Genomic DNA Extraction from Hot Pepper Leaf





No Data

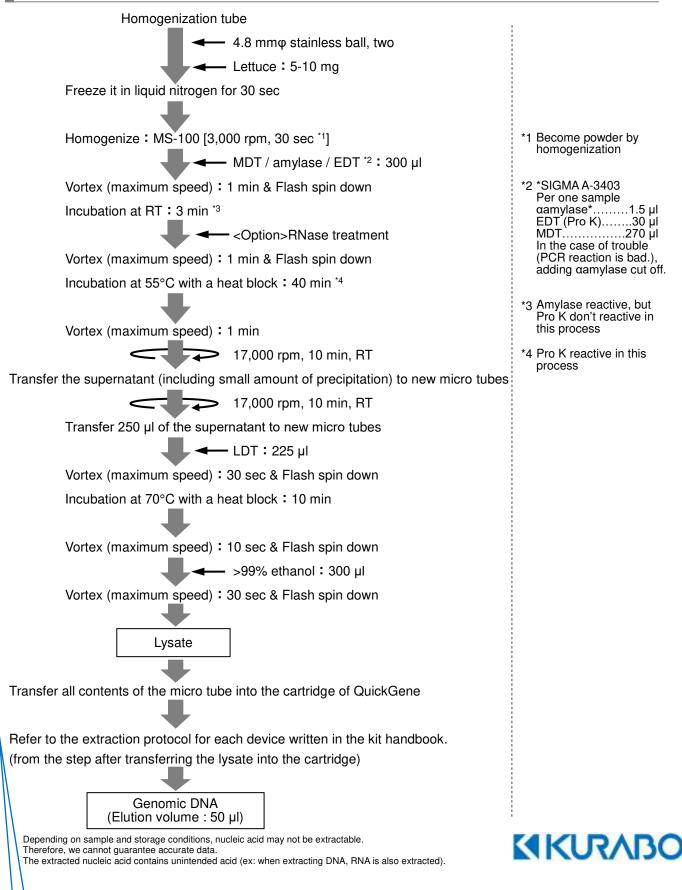
Common protocol is usable for the following

Lettuce



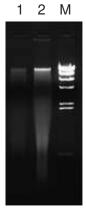


Genomic DNA Extraction from Lettuce





Electropherogram



1 : 5 mg lettuce 2 : 10 mg lettuce M : λ -*Hin* d III Marker

1% Agarose EtBr 100V 30 min RNase treatment

The yield of genomic DNA

Sample	10 mg lettuce				
Yield (µg)	1.2				

Common protocol is usable for the following

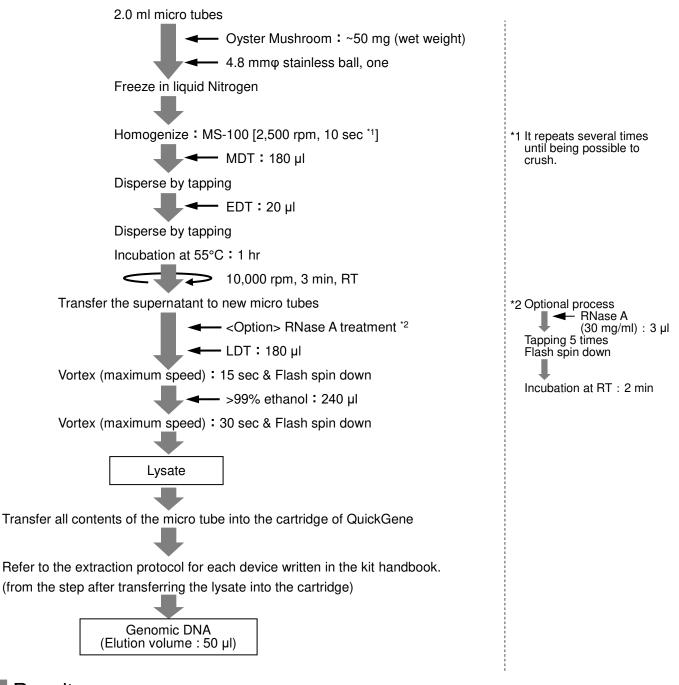
Amaranthus





Genomic DNA Extraction from Oyster Mushroom

Protocol



Results

No Data

Common protocol is usable for the following

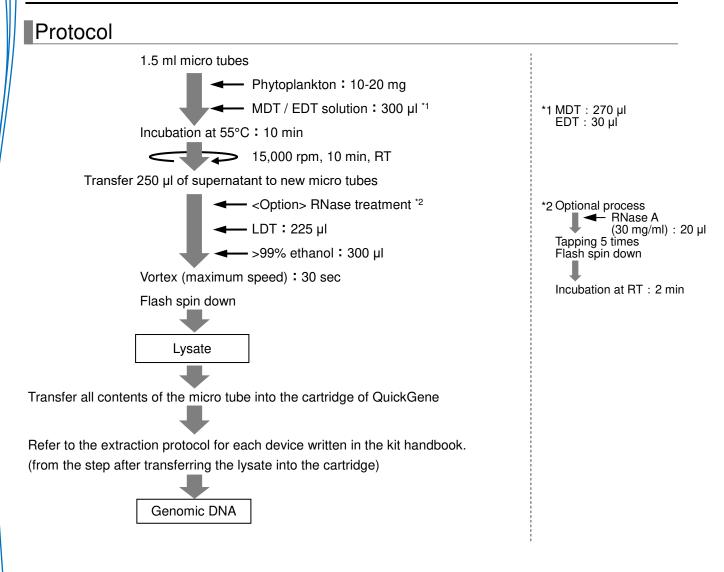
No Data

Depending on sample and storage conditions, nucleic acid may not be extractable. Therefore, we cannot guarantee accurate data. The extracted nucleic acid contains unintended acid (ex: when extracting DNA, RNA is also extracted).

KURABO



Genomic DNA Extraction from Phytoplankton



Results

No Data

Common protocol is usable for the following

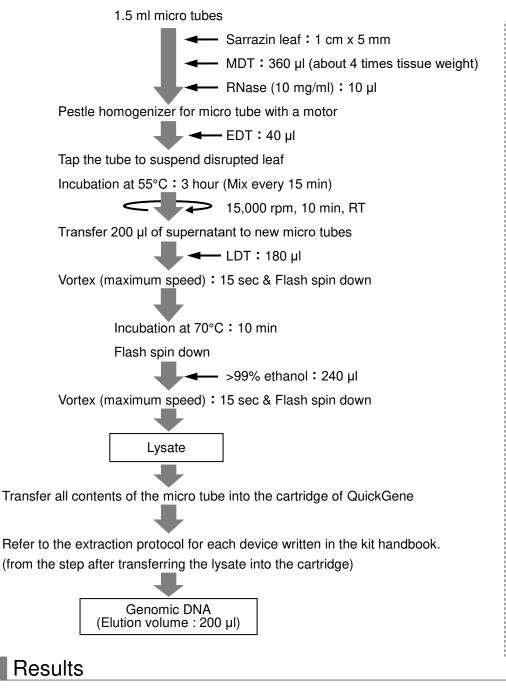
No Data





Genomic DNA Extraction from Sarrazin leaf





No Data

Common protocol is usable for the following

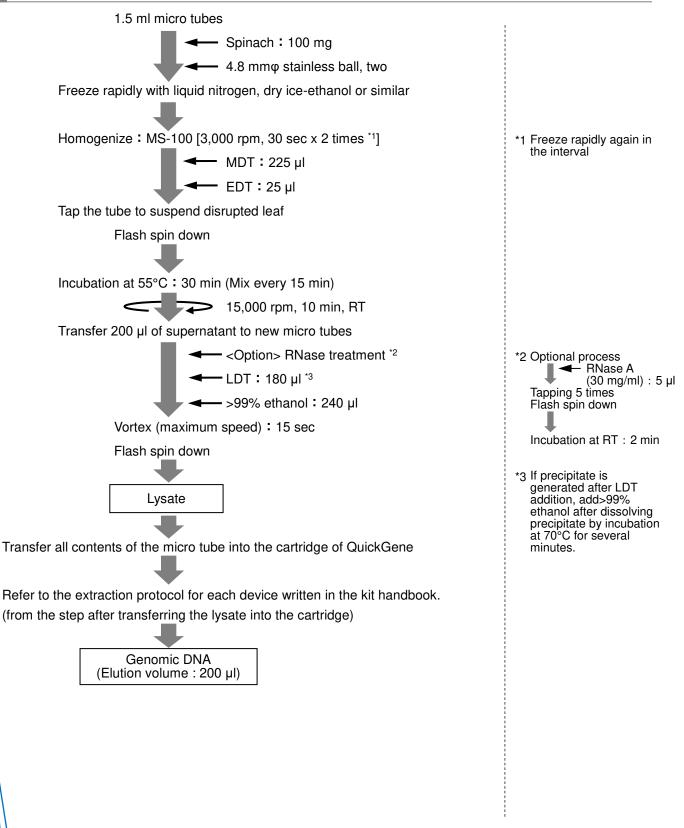
No Data





Genomic DNA Extraction from Spinach Leaf

Protocol







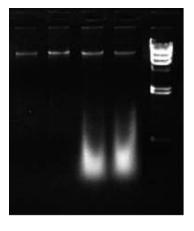
QuickGene DNA tissue kit S (DT-S) QuickGene SP kit DNA tissue (SP-DT)

Results

Electropherogram

Μ

RNase(+) RNase(-)



Electrophoresis condition : 1% agarose / 1 x TAE M : λ - Hind III

The yield of genomic DNA

RNase		4	F		-			
Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8
Yield (µg)	3.6	4.0	2.8	6.9	39.6	14.8	44.8	54.0

N=4

Protein contamination : A260/280

RNase		+	F		-			
Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8
A260/A280	1.94	1.87	1.80	1.97	2.22	2.16	2.24	2.24

N=4

Chaotropic salt contamination : A260/230

RNase		4	F		-			
Sample	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8
A260/A230	1.76	1.89	1.77	2.04	2.24	1.99	2.26	2.29

N=2

Common protocol is usable for the following

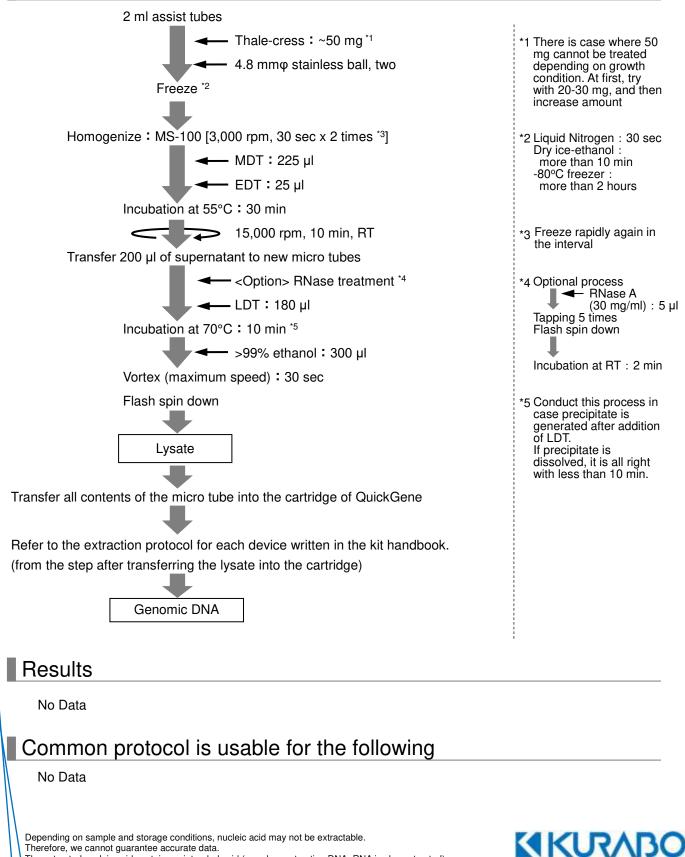
No Data





Genomic DNA Extraction from Thale-cress



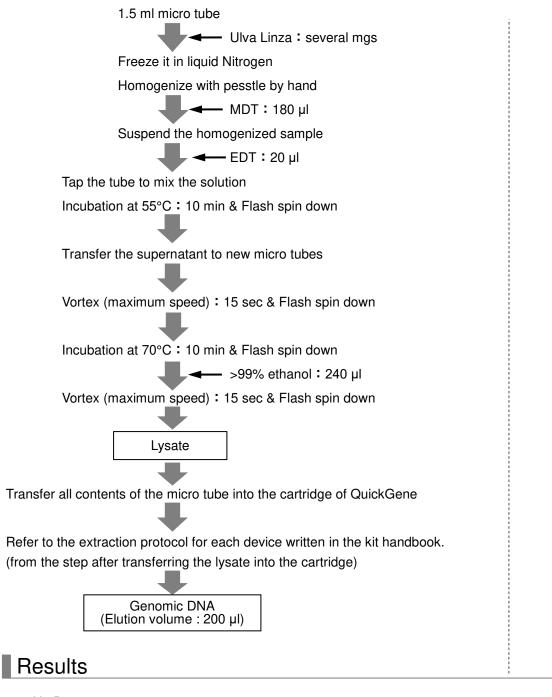


The extracted nucleic acid contains unintended acid (ex: when extracting DNA, RNA is also extracted).



Genomic DNA Extraction from Ulva Linza





No Data

Common protocol is usable for the following

No Data



